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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(s): PUKKILA et al.

SERIAL NO.: 09/737,093

ART UNIT: 2681

FILING DATE: 12/14/00

EXAMINER:

TITLE: METHOD AND ARRANGEMENT FOR ITERATIVELY IMPROVING
A CHANNEL ESTIMATE

ATTORNEY

DOCKET NO.: 297-009985-US (PAR)

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SEP 11 2002

Technology Center 2600

Commissioner of Patents
Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
(37 C.F.R. §1.97(b) (3))

Sir:

This information disclosure statement is being filed before the mailing of a first Office Action on the merits.

The following information is being disclosed to the Patent and Trademark Office as information that may be material to the examination of the above-identified patent application.

The above-identified patent application claims priority to Finnish Patent Application No. 19992691 filed on December 15, 1999. Applicants' attorney encloses a copy of a Finnish Search Report issued on the priority Finnish

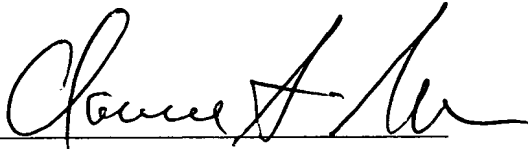
Patent Application No. 19992691. The Search Report cited the following documents: "Decision-Feedback Equalization of Time-Dispersive Channels With Coded Modulation", Zhou et al., IEEE Transaction on Communications, Vol. 38, No. 1, 1990, pp. 18-26; "Improved Adaptive Decision-Feedback Equalization With Interleaving For Coded Modulation Systems", Wang et al., Global Telecommunications Conference, 1994, Proceedings Vol. 1, pp. 6-10; "Iterative Joint Sequence And Channel Estimation For Fast Time-Varying Intersymbol Interference Channels", Chang et al., International Conference On Communications", 1995, Gateway to Globalization, Proceedings, pp. 357-361; "Iterative Channel Estimation Using Soft Decision Feedback", Sandell et al., Global Telecommunications Conference, 1998, Proceedings, pp. 3728-3733; and PCT International Publication No. WO 97/44916.

Copies of the Finnish Search Report and the cited references are enclosed together with PTO-Form 1449.

The filing of this Statement is not to be construed as a representation that a search has been made regarding the claimed invention (37 C.F.R. §1.97(g)) or that no other possible material information exists. In addition, the filing of this Information Disclosure Statement is not to be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability (37 C.F.R. §1.97(h)).

The Commissioner is hereby authorized to charge payment for any additional fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,



Clarence A. Green, Reg. No.: 24,622

Date

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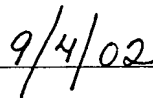
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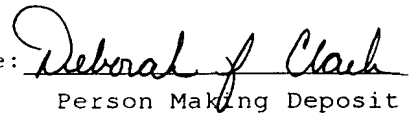
CERTIFICATE OF MAILING

I hereby certify that this Supplemental Information Disclosure Statement, Finnish Search Report and cited references are being deposited with the United States Postal Service on the date indicated below as first class mail in an envelope address to the Commissioner of Patents, Washington, D.C. 20231.

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INFORMATION DISCLOSURE CITATION FORM FOR PATENT APPLICATION SEP 09 2002 (FORM PTO-1449) (Substitute)	Docket No.: 297-009985-US(PAR)	Serial No.: 09/737,093
	Applicant(s): PUKKILA et al.	
	Filing Date: 12/14/00	Group: 2681

U.S. PATENTS

Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date
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U.S. PATENT PUBLICATIONS

Initials	Publication No.	Pub. Date	Name	Class	Sub-class	Filing Date

FOREIGN PATENT DOCUMENTS

Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a
	WO 97/44916	11/27/97	PCT	Nokia Telecommunications Oy	n/a

OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)

	"Decision-Feedback Equalization of Time-Dispersive Channels With Coded Modulation", Zhou et al., IEEE Transaction on Communications, Vol. 38, No. 1, 1990, pp. 18-26.
	"Improved Adaptive Decision-Feedback Equalization With Interleaving For Coded Modulation Systems", Wang et al., Global Telecommunications Conference, 1994, Proceedings Vol. 1, pp. 6-10.
	"Iterative Joint Sequence And Channel Estimation For Fast Time-Varying Intersymbol Interference Channels", Chang et al., International Conference On Communications", 1995, Gateway to Globalization, Proceedings, pp. 357-361.
	"Iterative Channel Estimation Using Soft Decision Feedback", Sandell et al., Global Telecommunications Conference, 1998, Proceedings, pp. 3728-3733.

Examiner's Signature:	Date Considered:
Initial if reference was considered. whether or not citation is in conformance with MPEP. Mark through citation if not considered. Include a copy of this citation form with your next correspondence to the Applicant(s).	

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